

US-09-541-462B-2 (1-108) x AY072430 (1-666)

RESULT 15

AY052401

LOCUS AY052401 357 bp mRNA linear PLN 16-OCT-2001

DEFINITION *Arabidopsis thaliana* ring box-1-like protein mRNA, complete cds.

ACCESSION AY052401

VERSION AY052401.1 GI:16186264

KEYWORDS

SOURCE *Arabidopsis thaliana*.

ORGANISM *Arabidopsis thaliana*

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

REFERENCE 1 (bases 1 to 357)

AUTHORS (Okresz, L.)

TITLE Direct Submission

JOURNAL Submitted (25-AUG-2001) Institute of Plant Biology, Biological Research Center, Temesvári krt. 62, Szeged H-6701, Hungary

FEATURES	Location/Qualifiers
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source      1.  .357
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/organism="Arabidopsis thaliana"
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/db xref="taxon:3702"
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CDS 1.357

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/note="RBX1-2"
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A ROC1

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M A A A M D V D T P S G T N S G A G K K R F E V K K W N A V 30
GCCCTCTGGGCTGGGATATTGTGGTTGATAACTGTGCCATCTGCAGGAACACATTATGGATCTTTGCATAGAATGTCAAGCTAACCAG 180
A L W A W D I V V D N C A I C R N H I M D L C I E C Q A N Q 60
CGCTCCGCTACTTCAGAAGAGTGTACTGTGCGATGGGGAGTCTGTAACCATGCTTTTCACTTCCACTGCATCTCTCGCTGGCTCAAACA 270
A S A T S E E C T V A W G V C N H A F H F H C I S R W L K T 90
CGACAGGTGTGTCCATTGGACAACAGAGAGTGGGAATTCCAAAAGTATGGGCACTAG 327
R Q V C P L D N R E W E F Q K Y G H * 108

B ROC2

ATGTTCTCCCTCAAGAAGTGGAAACCCGGTGGCCATGTGGAGCTGGGACGTGGAGTGCATACGTGCGCCATCTGCAGGGTCCAGGTGATG 90
M F S L K K W N P V A M W S W D V E C D T C A I C R V Q V M 30
GATGCTGTCTTAGATGTCAAGCTGAAAACAAACAAGAGGACTGTGTTGTGGTCTGGGGAGAATGTAATCATTCCTTCCACAACCTGCTGC 180
D A C L R C Q A E N K Q E D C V V V W G E C N H S F H N C C 60
ATGTCCTGTGGGTGAAACAGAACAAATCGCTGCCTCTCTGCGCAGGAGTGGGTGGTCCAAAGAATCGGCAATGA 258
M S L W V K Q N N R C P L C Q Q D W V V Q R I G K * 85

C

ROC1-Hs 22 FEVKKWNAVALWAWDIVVDNCAI CRNHIMDLCECQANQASATSEECTVAVGVCNHAF HFHC ISRWL---KTRQVC PLDNREWEF 108
ROC1-Dm 22 FEVKKWNAVALWAWDIVVDNCAI CRNHIMDLCECQANQASATSEECTVAVGVCNHAF HFHC ISRWL---KTRQVC PLDNREYDF 108
ROC1-Ce 24 FEVKKWSAVALWAWDIQVDNCAI CRNHIMDLCECQANQAAGLKDECTVAVGVCNHAF HFHC ISRWL---KTRQVC PLDNREWEF 110
ROC1-At 32 FEIKKWSAVALWAWDIVVDNCAI CRNHIMDLCECQANQASATSEECTVAVGVCNHAF HFHC ISRWL---KTRQVC PLDNSEWEF 118
ROC1-Sp 21 FEIKKWSAVALWAWDIVVDNCAI CRNHIMDLCECQANTDSAAAQECTVAVGVCNHAF HFHC ISRWL---NTRNVC PLDNREWEF 113
ROC1-Sc 35 FEIKKWTAVAFWSWDIAVDNCAI CRNHIMEPCIECQPKAMTDTDNECVAAGVCNHAF HLHC INKWI---KTRDAC PLDNQFWQL 121
ROC2-Hs 2 FSLKKWNAVALWAWDVECDTCAI CRVQVMDACLRCQAEN---KQEDCVVWVWGCNHSF HNCCMSLWV---KQNNRC PLCQQDWV 85
ROC2-Ce 30 FVLKKWNAVALWAWDVECDTCAI CRVHLMEECLRCQSEP---SAE-CYVWVWGCNHSF HBCCMTQWI---KQNNRC PLCQKDWV 112
APC11-Hs 3 VKIKCWNGVATNLWVANDENCGI CRMAFNGCCPDCKVPG-----DDCPLVWVGC SHCF HMHC ILKWLHAQQVQVQHC PMCRQEWKF 84
APC11-Dm 3 VTIRSWTGVATNRWIANDENCGI CRMSFESTCEPCALPG-----DDCPLVWVGC SHCF HMHC IVKWLNLQPLNKQC PMCRQSWKF 85
APC11-Ce 51 ITVKKLHVCGEWKWL[3]DTCGI CRMEFESACNMCKFPG-----DDCPLVLGIC RHAF HRHC IDKWI[5]QPRACQ PLCRQDWTF 135
APC11-Sc 3 VKINEVHSVFAWSW[21]DVCGI CRASYNCTPSCKFPG-----DQCPLVIGLCHHNF HDHC IYRWLDTPTSKGLC PMCRQTFQL 165

BASE COUNT FQKYGH"
 85 a 75 c 94 g 73 t
 ORIGIN

Query Match 100.0%; Score 327; DB 9; Length 327;
 Best Local Similarity 100.0%; Pred. No. 3.6e-91;
 Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 ATGGCGGCAGCGATGGATGTGGATACCCCGAGCGGCACCAACAGCGGCGGGGCAAGAAG 60
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Qy     61 CGCTTTGAAGTGAAAAAGTGAATGCAGTAGCCCTCTGGGCCTGGGATATTGTGGTTGAT 120
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Db     61 CGCTTTGAAGTGAAAAAGTGAATGCAGTAGCCCTCTGGGCCTGGGATATTGTGGTTGAT 120

Qy    121 AACTGTGCCATCTGCAGGAACCACATTATGGATCTTTGCATAGAATGTCAAGCTAACCAG 180
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Qy    181 GCGTCCGCTACTTCAGAAGAGTGTACTGTGCGCATGGGGAGTCTGTAACCATGCTTTTCAC 240
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Qy    301 TGGGAATTCCAAAAGTATGGGCACTAG 327
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Db    301 TGGGAATTCCAAAAGTATGGGCACTAG 327
  
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RESULT 2

AF140598

LOCUS AF140598 508 bp mRNA linear PRI 11-MAY-1999

DEFINITION Homo sapiens ring-box protein 1 (RBX1) mRNA, complete cds.

ACCESSION AF140598

VERSION AF140598.1 GI:4769003

KEYWORDS

SOURCE Homo sapiens.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 508)

AUTHORS Kamura,T., Koeppe,D.M., Conrad,M.N., Skowyra,D., Moreland,R.J.,
 Iliopoulos,O., Lane,W.S., Kaelin,W.G. Jr., Elledge,S.J.,
 Conaway,R.C., Harper,J.W. and Conaway,J.W.

TITLE Rbx1, a component of the VHL tumor suppressor complex and SCF
 ubiquitin ligase

JOURNAL Science 284(5414), 657-661 (1999)

MEDLINE 99234320

PUBMED 10213691

REFERENCE 2 (bases 1 to 508)

AUTHORS Kamura,T., Lane,W.S., Conaway,R.C. and Conaway,J.W.

TITLE Direct Submission

JOURNAL Submitted (05-APR-1999) Prog. Molec. Cell Biol., HHMI, Oklahoma

Med. Res. Fdn., 825 NE 13th St, Oklahoma City, OK 73104, USA

FEATURES Location/Qualifiers
source 1. .508
/organism="Homo sapiens"
/db_xref="taxon:9606"
gene 1. .508
/gene="RBX1"
CDS 7. .333
/gene="RBX1"
/note="ring finger-like protein; component of VHL tumor
suppressor complex and SCF ubiquitin ligase"
/codon_start=1
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/protein_id="AAD29715.1"
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FQKYGH"
BASE COUNT 126 a 106 c 124 g 152 t
ORIGIN

Query Match 100.0%; Score 327; DB 9; Length 508;
Best Local Similarity 100.0%; Pred. No. 3.6e-91;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CGCTTTGAAGTGAAAAAGTGAATGCAGTAGCCCTCTGGGCCTGGGATATTGTGGTTGAT 120
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Db 67 CGCTTTGAAGTGAAAAAGTGAATGCAGTAGCCCTCTGGGCCTGGGATATTGTGGTTGAT 126

QY 121 AACTGTGCCATCTGCAGGAACACATTATGGATCTTTGCATAGAATGTCAAGCTAACCAG 180
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Db 127 AACTGTGCCATCTGCAGGAACACATTATGGATCTTTGCATAGAATGTCAAGCTAACCAG 186

QY 181 GCGTCCGCTACTTCAGAAGAGTGTACTGTCGCATGGGGAGTCTGTAACCATGCTTTTCAC 240
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Db 187 GCGTCCGCTACTTCAGAAGAGTGTACTGTCGCATGGGGAGTCTGTAACCATGCTTTTCAC 246

QY 241 TTCCACTGCATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCATTGGACAACAGAGAG 300
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Db 247 TTCCACTGCATCTCTCGCTGGCTCAAAACACGACAGGTGTGTCCATTGGACAACAGAGAG 306

QY 301 TGGGAATTCCAAAAGTATGGGCACTAG 327
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Db 307 TGGGAATTCCAAAAGTATGGGCACTAG 333
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RESULT 3

BC001466

LOCUS BC001466 544 bp mRNA linear PRI 12-JUL-2001

DEFINITION Homo sapiens, ring-box 1, clone MGC:1481 IMAGE:3138751, mRNA,
complete cds.

ACCESSION BC001466

VERSION BC001466.1 GI:12655214